



UNIVERSITETET
I OSLO

Jobbnorge-ID: 140204

Søknadsfrist: Closed

Nettside:

Omfang:

Varighet:

PhD research fellowships in Environmental toxicology and Chemistry - two positions

Two PhD research fellowships in Environmental toxicology and Chemistry are available at Faculty of Mathematics and Natural Sciences, University of Oslo, one at the Department of Biosciences and one at the Department of Chemistry.

The PhD fellowships are funded by [University of Oslo:Life Science](#) as a part of the Convergence environment "Combining natural and social sciences to understand and manage global anthropogenic toxicants-[AnthroTOX](#). Convergence environments are interdisciplinary research groups that will aim to solve grand challenges related to health and environment. AnthroTOX has partners in five different departments, centres and institutes: Department of Social Anthropology, Department of Biosciences, Department of Chemistry, Centre for Technology, Innovation and Culture, and Institute of Health and Society.

The fellowships will be for a period of 3 years, with no compulsory work, or for a period of 4 years, with 25 % compulsory work (e.g. teaching or other responsibilities at the department) contingent on the qualifications of the candidate and the teaching needs of the department.

The successful candidates will commence their studies in late autumn 2017 or the beginning of 2018. No one can be appointed for more than one fixed-term period at the same institution.

Job/project description

The aim of AnthroTOX is to provide a platform for continuous engagement between natural and social sciences, studying human-made toxicants and their origins, trajectories and effects - biological, social, cultural, economic, political, ethical. At this stage, the AnthroTOX initiative will mainly focus on a group of harmful organic chemicals associated with use and disposal of electrical and electronic equipment within Tanzania.

[In a separate call](#), the AnthroTOX Convergence environment seeks 4 PhDs in social anthropology. All the AnthroTOX PhD candidates will form part of a research environment with partly joined facilities, and will jointly organise workshops and conferences.

1 PhD research fellowship in Ecotoxicology

available at [Department of Biosciences](#), Section of Aquatic Biology and Toxicology ([AQUA](#)), Faculty of Mathematics and Natural Sciences.

The main objective is to investigate and quantify accumulation of organic contaminants associated with electrical and electronic equipment in the marine ecosystems of urban and remote sites in a growing economy (Tanzania) and compare this to a developed economy (Norway).

The project combines knowledge from ecotoxicology, aquatic biology/ecology, and environmental chemistry. The successful candidate will design and conduct field studies in Tanzania sampling marine biota, analyse dietary descriptors and contaminants, perform chemical analyses and interpret the data.

Requirements

We seek an independent and motivated candidate with strong interest in aquatic biology/ecology, ecotoxicology, environmental chemistry, and with a solid academic background. Applicants must hold a Master's degree or equivalent in biology or a related discipline. A specific background in ecotoxicology or environmental chemistry would be advantageous, while an additional motivation for cross-disciplinary environmental research is essential. We therefore welcome also those with different, yet relevant, scholarly experiences to apply.

The successful candidate will be affiliated with the section of Aquatic Biology and Toxicology (AQUA), Department of Biosciences. The research will be carried out in close collaboration with other AnthroTOX members, the Institute for Marine Science, Zanzibar, and the Norwegian University of Biosciences (NMBU).

1 PhD research fellowship in Environmental Chemistry

Available at Department of Chemistry, Environmental Sciences Section ([SMV](#)), Faculty of Mathematics and Natural Sciences. The supervisor team includes both UiO and NMBU researchers.

The main objective is to study the temporal and spatial distribution of organic contaminants associated with electrical and electronic equipment in urban and remote sites in a growing economy (Tanzania) and compare this to a developed economy (Norway).

The project combines knowledge from environmental chemistry and related disciplines. The successful candidate will design and conduct field studies in Tanzania, perform chemical analyses of relevant chemicals in air, water and sediments, and interpret the data.

Requirements

We seek an independent and motivated candidate with strong interest in environmental chemistry and environmental science, and with a solid academic background. Applicants must hold a Master's degree or equivalent, ideally in environmental sciences involving research experience within analytical chemistry. A specific background in environmental, organic or analytical chemistry and an additional motivation for cross-disciplinary environmental research is essential. We therefore welcome also those with different, yet relevant, scholarly experiences to apply.

The successful candidate will be affiliated with the Environmental Sciences Section (SMV), Department of Chemistry. The research will be carried out in close collaboration with other AnthroTOX members, the Institute for Marine Science, Zanzibar, and the Norwegian Institute for Air Research (NILU). The supervisor team includes both UiO and NILU researchers.

General requirements

The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for this fellowship will be selected in accordance with this, and is expected to be in the upper segment of their class with respect to academic credentials.

The successful candidates for the PhD positions will participate in research training organised by the Faculty of Mathematics and Natural Sciences, yet will also have extensive opportunities for specific PhD training provided by AnthroTOX.

The fellow will interact with a broad network of researchers and students, and should have good social skills and an ability to work collaboratively. The applicants must be willing to, and able to travel and conduct fieldwork independently. They are expected to complete their projects before expiry of the PhD position.

Applicants should include a short text that outlines the candidate's motivation and ideas for a project within the described field of research (1-2 pages). When evaluating the application, emphasis will be given to the applicant's academic and personal prerequisites to carry out the project and to the project description.

The purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The fellowship requires admission to the PhD programme at the Faculty of Mathematics and Natural Sciences. The application to the PhD programme must be submitted to the department no later than two months after taking up the position. For more information see:

<http://www.uio.no/english/research/phd/>

<http://www.mn.uio.no/english/research/phd/>

A good command of English is required.

<http://www.mn.uio.no/english/research/phd/application/application.html>

We offer:

- Position code 1017, Salary; NOK 432 700- 490 900 per year, depending on qualifications and seniority.
- Academically stimulating working environment, including a newly established and active interdisciplinary research group AnthroTOX
- Opportunities to cooperate with social scientists in social anthropology, science and technology studies, medical anthropology (though the PhDs themselves will be in natural sciences)
- Funds for research activities, travel, conference participation and dissemination, books and equipment
- Good pension benefits under the Norwegian Public Service Pension Fund scheme
- Good welfare benefits

The application should include:

- Application letter, including a short description of the applicant's academic profile, how the applicant sees his or her academic orientation fitting in with the core areas of the project and how the applicant wishes to contribute to the project.
- CV (summarizing education, positions and academic work - scientific publications)
- Copies of educational certificates, transcript of records and letters of recommendation
- [Documentation of English proficiency](#)
- List of publications and academic work that the applicant wishes to be considered by the evaluation committee
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)

Please make sure to specify which of the two PhD positions is applied for (Ecotoxicology or Environmental Chemistry).

For more information on research topic and research environments of the 2 PhDs, please see [here](#).

Foreign applicants are advised to attach an explanation of their University's grading system. Please remember that **all** documents should be in English or a Scandinavian language.

In accordance with the University of Oslo's equal opportunities policy, we invite applications from all interested individuals regardless of gender or ethnicity.

UiO has an agreement for all employees, aiming to secure rights to research results a.o.

For questions concerning the academic content of the proposed PhDs, and the overarching aims of AnthroTOX, please contact:

Professor Katrine Borgå (Ecotoxicology), phone: +47 22 85 91 56, e-mail: Katrine.borga@ibv.uio.no

Professor Il Knut Breivik (Environmental Chemistry), phone + 47 63 89 80 00, e-mail: knubr@kjemi.uio.no

Professor Wenzel Geissler (Project coordinator), Phone: 47 22 85 75 79, e-mail: p.w.geissler@sai.uio.no

For questions concerning the recruitment system, please contact:

HR-officer Nina Holtan, phone +47 22 85 44 24, e-mail: nina.holtan@mn.uio.no

Tilleggsinformasjon

Arbeidssted: